

PIERCE PACIFIC MANUFACTURING, INC.



PIERCE PACIFIC MFG.

**MEGA-EXTREX
LONG REACH**

**SUPER LONG
REACH BOOMS**



"PIERCE BUILT, PIERCE BACKED."

TAKE YOUR OPERATION TO THE NEXT LEVEL.

PIERCE PACIFIC MFG. SUPER LONG REACH BOOMS.

MEGA-EXTREX super long reach excavator booms are ideal for deep trenching as well as mining sand and gravel. Sizes of machines range from 40 to 350 metric tonnes. Special packages are available for cold weather and corrosive applications.

THE MEGA-EXTREX PACKAGE INCLUDES:

- Main boom and stick sections
- Stick cylinder
- Bucket cylinder and linkage
- All boom and stick plumbing
- Additional counterweight
- Choice of deep trenching/slurry wall/mining bucket size and style

THE MEGA-EXTREX PACKAGE REQUIRES:

- Standard excavator boom hoist cylinders
- Machine to boom hydraulic hoses
- Boom foot pin

COMPLETE CUSTOMIZATION: THE PIERCE DIFFERENCE.

Many manufacturers offer one configuration to suit every application. However, one size doesn't fit all. Pierce analyzes all of the factors pertaining to your specific application, recommending the configuration which maximizes your production — and profitability.

FACTORS CONSIDERED:

- Material weight and density
- Material size and texture
- Cycle time and swing motion
- Critical working reach, depth, and capacity ranges/requirements
- Building restrictions
- Existing installations
- Existing structures
- Existing work tools
- Safety regulations



DEEP TRENCHING / SLURRY WALL

GET THE RIGHT MEGA-EXTREX BOOM FOR THE JOB.

Pierce MEGA-EXTREX Long Reach booms are available for hydraulic excavators of every make, model and year. Mount it on a new or used machine. Also, Pierce MEGA-EXTREX booms can be customized to suit your particular/unique applications.

DEEP TRENCHING		
MACHINE SIZE	BOOM MODEL	DEPTH
40-50 M.T.	LR 4/65	50'
60-80 M.T.	LR 7/80	61'
100-120 M.T.	LR 11/100	81'
100-120 M.T.	LR 11/105	86'

M.T.=metric tonnes

PIERCE PACIFIC MFG. MEGA-EXTREX DEEP TRENCHING ADVANTAGES:

- Specifically designed for trenching
- Boom geometry is designed to optimize digging envelope allowing the operator to maximize production
- Rugged construction to accept aggressive ripper buckets
- Large pins and heavy duty joints extend service life
- Slurry Seal Package-extends pin and bushing service life of critical connections. Seals are designed to allow for bushing run-out & wear while maintaining the integrity of the seal lip to pin engagement
- Trenching buckets are specifically designed to mate with Pierce Pacific MEGA-EXTREX trenching booms



M I N I N G

M I N I N G			
MACHINE SIZE	BOOM MODEL	REACH	BUCKET SIZE YD ³
50-60 M.T.	LR 6/60	60'	2.5-3.0
70-80 M.T.	LR 7/60	60'	3.0-3.5
70-80 M.T.	LR 7/70	70'	2.5-3.0
70-80 M.T.	LR 7/80	80'	2.0-2.5
100-120 M.T.		80'	3.0-4.0

M.T.=metric tonnes

All buckets capacities are rated heaped.

PIERCE PACIFIC MFG. MEGA-EXTREX MINING ADVANTAGES:

- Ideal for sand and gravel rock quarries
- Replaces and out produces draglines
- Increased operator availability and operator acceptance
- Increased flexibility over draglines to suit specific applications and environments
- Large pins and heavy duty joints extend service life
- Excavating buckets are specifically designed to mate with Pierce Pacific MEGA-EXTREX mining booms

TUFFY CYLINDER
The Tuffy Cylinder Program redefines cylinder performance.

Labels in diagram: BUSHING, HEAD BOLTS, HEAD, ROD ASSEMBLY, BARREL ASSEMBLY, PISTON, WEAR RINGS, RETRACT ROD CUSHION, NUT, EXTENDED ROD CUSHION, SEAL, BUSHING.



TUFFY PLUMBING



- Parflanged Hydraulic Tubing.
- Eliminates pin hole leaks at tube fittings.
- Forms flanges to the tube, instead of welding fitting/tube ends.
- Tubes cycled over 1 million times, minimizing failures.
- Centralized lubrication location makes maintenance quick and easy, while increasing component life.



THE PIERCE PROMISE

Like all custom-built Pierce products, once it's delivered we stand by it all the way. Our unparalleled product support and customer service includes onsite training and troubleshooting, stocked warehouses, after hours pickup and emergency overnight delivery. Our professional service technicians are at your service 24 hours a day, every day, to make sure your jobs stay on track and on schedule. Quality from the drawing board to the bottom line. That's what "Pierce built, Pierce backed" is all about.



GET A PERFECT FIT WITH FINITE ELEMENT ANALYSIS

Finite Element Analysis (FEA), combined with computer-aided motion analysis software, allows for fully associative drafting which assures a precise fit of every part and component we fabricate. Simply put, Pierce is able to design, "build", assemble, simulate and test fabrications such as Mega-Extrex booms and buckets before any manufacturing takes place. And, as an Allied Equipment Manufacturer, our engineering team works directly with excavator manufacturers to assure complete and error-free integration of all OEM/Pierce equipment.



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